

PATENT
Attorney Docket No. 944-001.057

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In Re Application of: :
Jari Syrjärinne et al. :
Serial No.: 10/016,139 :
Filed: December 12, 2001 :

For: **METHOD AND APPARATUS FOR SAVING POWER
IN A GLOBAL POSITIONING SYSTEM RECEIVER**

Assistant Commissioner for Patents
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

Applicants submit herewith references of which they are aware, which they believe may be material to the examination of this application and in respect of which they may have a duty to disclose in accordance with 37 CFR §1.56.

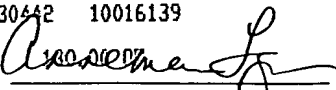
While this Information Disclosure Statement (IDS) may be "material" pursuant to 37 CFR §1.56(b), it is not intended to constitute an admission that any document referred to herein is "prior art" for this invention unless specifically designated as such.

I hereby certify that this correspondence is being deposited with the United States Postal Service on this date, **February 28, 2002**, in an envelope with sufficient postage as first-class mail addressed to the Assistant Commissioner for Patents, Washington, DC 20231.

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Annemarie Lazor

In accordance with 37 CFR §1.97(g), the filing of this IDS shall not be construed to mean that a search has been made or that no other material information as defined under 37 CFR §1.56(a) exists.

Enclosed is a Form PTO-1449 listing the cited references. Copies of the cited references are also enclosed herewith. The abstract of each cited reference gives a concise explanation thereof.

This IDS is being submitted within three months of the filing date of the application for patent in this matter. Therefore, the undersigned respectfully submits that no fee is due for filing this IDS. The Commissioner is hereby authorized to charge to deposit account 23-0442 any fee deficiency required to submit this IDS.

Respectfully submitted,

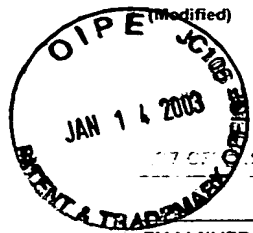


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Dated: February 28, 2002

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Part of #7



FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

944-001.057

SERIAL NO.

10/016,139

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

APPLICANT

Jari Syrjärinne et al.

FILING DATE

December 12, 2001

GROUP

Not Yet Assigned

EXAMINER INITIAL	DOCUMENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APROPRIATE
	4 5 3 5 6 2 5	08/20/85	Lyle, Jr.			
	5 1 4 4 5 9 5	09/01/92	Graham et al.			
	5 3 5 5 3 1 6	10/11/94	Knobbe			
	5 3 8 1 0 9 5	01/10/95	Andrews			
	5 5 0 6 8 1 7	04/09/96	O'Brien, Jr.			
	5 5 1 1 0 4 2	04/23/96	O'Brien, Jr.			
	5 5 2 5 9 9 5	06/11/96	Benner			
	5 5 3 7 3 6 8	07/16/96	O'Brien, Jr. et al.			

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FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

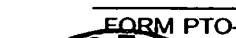
OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

1	S. Bancroft (1985), "An Algebraic Solution of the GPS Equations," IEEE Transactions on Aerospace and Electronic Systems, Vol. 21 (7), January 1985.
2	A. Houles and Y. Bar-Shalom (1989), "Multisensor Tracking of a Maneuvering Target in Clutter," IEEE Transactions on Aerospace and Electronic Systems, Vol. 25 (2), March 1989.
3	F. Dufour and M. Mariton (1991), "Tracking a 3D Maneuvering Target With Passive Sensors," IEEE Transactions on Aerospace and Electronic Systems, Vol. 27 (4), July 1991.
4	J. Chaffee and J. Abel (1992), "The GPS Filtering Problem," IEEE Position, Location and Navigation Symposium 1992.
5	J. Chaffee, J. Abel and B. McQuiston (1993), "GPS Positioning, Filtering and

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

	FORM PTO-1449 (Modified)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 944-001.057	SERIAL NO. 10/016,139
	INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		APPLICANT Jari Syrjärinne et al.	FILING DATE December 12, 2001
			GROUP Not Yet Assigned	

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FOREIGN PATENT DOCUMENTS

[illegible]

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

			<i>Integration," IEEE Aerospace and Electronics Conference 1993.</i>
		6	Yaakov Bar-Shalom (1995), <i>"Multitarget-Multisensor Tracking Principles and Techniques,"</i> NMP Research and Technology, pp. 1, 46 and 20.
		7	Elliot D. Kaplan (1996), <i>"Understanding GPS: Principles and Applications,"</i> Artech House Publisher, 1996, pp. 25-27.
		8	Greg Welch and Gary Bishop (1997), <i>"An Introduction to the Kalman Filter,"</i> University of North Carolina at Chapel Hill, Department of Computer Science, Chapel Hill, North Carolina, USA, TR95-041, September 17, 1997.
		9	Jiao Shuhong, Si Xicai and Kong Fanru (1998), <i>"A Time-of-Arrival Location for Maneuvering Target on Two-Dimensional Surface,"</i> Signal Processing

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, wh ther or not citation is in conf rmanc with MPEP 609; Draw lin through citation if not in conf rmance and not consid red. Include copy of this form with next communication to applicant.

